

MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE  
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, FSA, NRCS, DNR

ROW CROPS NEEDING WARM WEATHER TO REACH MATURITY

Cool temperatures were recorded across the state this past week as farmers are assessing the impact to crops due to last weeks frost, according to the Minnesota Agricultural Statistics Service. Producers are reporting that warm, dry temperatures are needed throughout the month of September to push crops to maturity.

The average temperature for the week was 63.3 degrees, 2.2 degrees below normal. Statewide topsoil moisture supplies as of August 27th were rated 3% very short, 16% short, 75% adequate, and 6% surplus.

Corn in the dent stage was 6%, which is behind the five year average of 44%. Soybeans were 10% turning yellow, behind the five year average of 22%.

Corn crop was rated 49% good to excellent compared to 56% last week. Soybeans were rated 44% in good to excellent condition, compared to 56% last week.

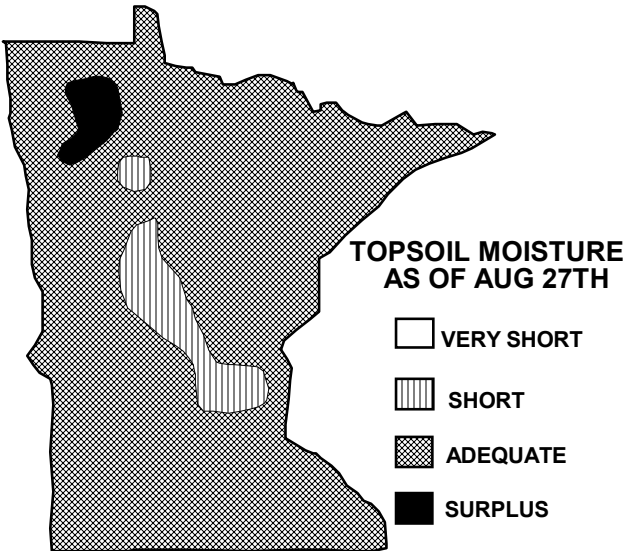
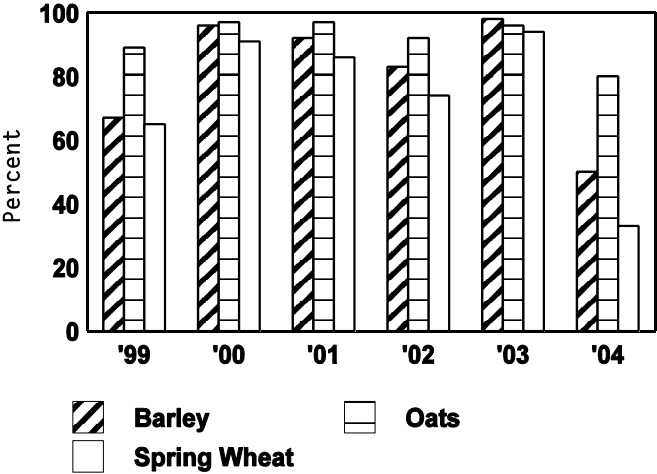
Spring wheat was 33% harvested, compared to 82% for the five year average. Barley was 50% harvested, compared to 87% for the five year average. Oats were 80% harvested, which was behind the five year average of 94%.

Potatoes were 31% harvested which was the same as last year and ahead of 15% for the five year average.

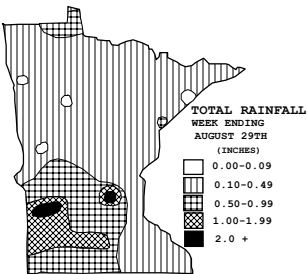
Sweet corn was 45% harvested, below the five year average of 62%.

Days Suitable for Fieldwork : 4.8					
		Very Short	Short	Ade-quate	Sur-plus
Topsoil Moisture (%)		3	16	75	6
Crop Progress as of August 29, 2004					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Milk	90	79	98	98
	Dough	35	25	86	85
	Dent	6	4	47	44
Field Corn	Cut for Silage	3	1	15	7
Soybeans	Setting Pods	90	90	99	99
	Turning Yellow	10	0	28	22
Spring Wheat	Harvested	33	29	94	82
Oats	Harvested	80	65	96	94
Barley	Harvested	50	32	98	87
Potatoes	Harvested	31	16	31	15
Canola	Harvested	20	2	64	40
Sweet Corn	Harvested	45	29	58	62
Crop Condition as of August 27 in Percent					
	Very Poor	Poor	Fair	Good	Exc
Pasture	2	13	37	42	6
Spring Wheat	2	4	35	46	13
Barley	2	20	32	35	11
Dry Beans	20	25	33	20	2
Canola	5	28	45	18	4
Potatoes	0	2	29	61	8
Sunflowers	10	25	42	21	2
Corn	4	12	35	42	7
Sugarbeets	1	3	23	59	14
Soybeans	7	14	35	38	6

SMALL GRAINS HARVESTED  
AS OF AUGUST 29th, 1999-2004



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING AUGUST 29, 2004:  
Temperatures averaged from 6.2 degrees below normal in the North-west District to 0.7 degree above normal in the South Central District. Extremes: 89° in Winona; 32° in Hibbing. Precipitation averaged from 0.61 inch below normal in the Southeast District to 0.66 inch above normal in the West Central District. Greatest weekly total was 3.19 inches.



Precipitation and Temperature Summary for 8/23/2004 through 8/29/2004

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	From Norm Since 4/1	Since Apr 29	Depart from Norm
<u>NW DIST 1</u>										
Crookston	66m	45m	55.5m	-10.1m	0m	-.64m	-.98m	2.56m	1313m	-617m
Moorhead	79	43	62.2	-4.3	.37	-.18	-.35	.60	1602	-417
Warroad	75	44	58.6	-4.3	.85	.21	1.30	6.34	1248	-437
<u>NC DIST 2</u>										
Grand Rapids	84	41	60.8	-1.7	.41	-.37	-1.43	-4.10	1443	-248
Intl. Falls	73	33	56.2	-5.0	.32	-.41	-1.06	-.73	1156	-428
Itasca	81	40	58.2	-3.6	.09	-.72	-1.69	-3.90	1296	-288
<u>NE DIST 3</u>										
Duluth	78	42	59.4	-2.2	.67	-.32	-.48	-3.55	1170	-305
Grand Marais	75	42	55.0	-6.4	.43	-.30	-.89	-1.45	813	-287
Hibbing	80	32	58.1	-3.1	.28	-.46	-1.37	-5.26	1213	-325
Isabella	78	37	56.4	-5.0	.09	-.81	-.69	-3.13	1019	-566
<u>WC DIST 4</u>										
Alexandria	80	50	62.6	-2.8	.68	-.12	-1.19	-1.21	1489	-441
Browns Valley	85	46	63.5	-4.1	.22	-.34	-1.93	.87m	1538m	-593m
Canby	84	51	65.1	-3.7	3.19	2.58	1.40	2.36	1854	-375
Fergus Falls	79	46	62.6	-3.4	0	-.66	.26	1.58	1594	-362
Montevideo	83	50	64.8	-2.2	3.03	2.36	2.78	4.15	1744	-327
Morris	80	47	62.4	-4.3	.83	.17	-1.11	-.24	1610	-458
<u>CENT DIST 5</u>										
Becker	82	50	66.0	1.1	2.23	1.30	-.57	3.25	1688	-234
Hutchinson	81	51	64.6	-2.5	.87	.02	-1.41	2.51	1792	-353
Olivia	83	50	64.8	-1.8	.87	.11	-.36	1.00	1749	-362
St. Cloud	79	46	63.8	-1.0	.38	-.51	-1.97	.17	1640	-270
Staples	80	45	61.2	-2.2	.10	-.58	-1.81	.24	1398	-343
Willmar	80	52	65.0	-1.6	.54	-.30	-.92	2.06	1722	-361
<u>EC DIST 6</u>										
Aitkin	80	43	61.9	-.5	.40	-.42	-1.80	-5.02	1387	-247
MSP Airport	84	54	67.5	-.8	.32	-.55	-2.52	-1.93	1927	-297
St. Paul - UofM	82	51	67.5	-1.8	.34	-.61	-2.67	-1.42	1952	-352
<u>SW DIST 7</u>										
Lamberton	82	48	65.4	-1.7	1.82	1.09	1.40	3.27	1794	-377
Pipestone	84	50	66.3	-.7	1.36	.66	-.33	2.23	1721	-365
Redwood Falls	82	49	66.2	-2.6	1.56	.79	.08	5.31	1855	-439
Worthington	82	51	66.7	.7	.77	.01	1.10	2.48	1793	-239
<u>SC DIST 8</u>										
Faribault	83	43	67.8	.8	.22	-.75	-1.87	4.86	1804	-291
Mankato	83	54	68.2	.6	1.14	.17	-.01	5.79	1797	-363
Waseca	82	54	68.2	1.3	.21	-.78	-.48	5.29	1860	-247
Winnebago	85	47	67.6	.2	.94	.05	.41	4.20	1836	-322
<u>SE DIST 9</u>										
Preston	86	54	67.6	1.4	.22	-.81	-1.57	8.03	1754	-231
Red Wing	84	55	67.4	-.3	.43	-.46	-.90	1.55	1849	-296
Rochester	83	55	66.9	1.3	.70	-.22	.31	6.86	1742	-219
Rosemount	82	50	66.5	-.0	.11	-.90	-2.77	-2.10	1820	-225
Winona	89	56	69.0	-.7	.49	-.43	.86	6.10	1931	-409

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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